

Converting Colors

XYZ(48.1058, 46.2225, 20.5904)

Have a look what the booklet for
XYZ(48.1058, 46.2225, 20.5904)
contains.

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Color

**XYZ(48.0102, 46.0558,
20.5466)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AB6C
RGB	224, 171, 108
RGB Percent	88%, 67%, 42%
CMY	0.1216, 0.3294, 0.5765
CMYK	0.00, 0.24, 0.52, 0.12
HSL	33°, 65%, 65%
HSV	33°, 52%, 88%
XYZ	48.0102, 46.0558, 20.5466
YIQ	179.6650, 51.8110, -8.3570

Conversions

Conversions Part 2

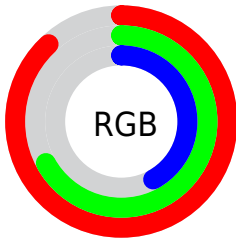
Format	Color
R _Y B	206, 224, 108
Decimal	14723948
CIE Lab	73.58, 12.07, 39.74
CIE LCh	74, 41.529, 73.100
Yxy	46.0558, 0.4189, 0.4018
Android (android.graphics.Color)	4292914028 (0xFFE0AB6C)
YUV	179.6650, -35.3308, 38.8818
Hunter-Lab	67.8644, 7.5158, 29.5545

Details

The XYZ color **48.0102, 46.0558, 20.5466** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.3833, 34.0584, 75.3881**, and the grayscale version is **43.3677, 45.6262, 49.6869**.

A 20% lighter version of the original color is **74.7815, 78.1908, 44.4086**, and **23.1121, 21.6164, 7.0919** is the 20% darker color. If you saturate the color by 10%, you get **45.1093, 41.9230, 14.4347**, and if you desaturate by 10%, it is **51.3693, 50.6149, 28.3230**.

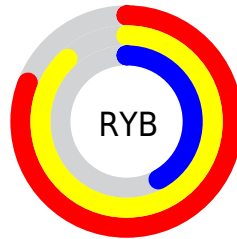
Distribution



Red (88%)

Green (67%)

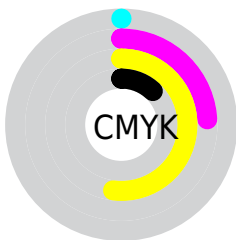
Blue (42%)



Red (81%)

Yellow (88%)

Blue (42%)

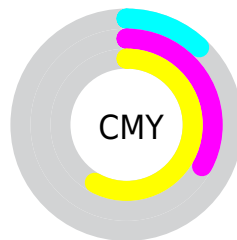


Cyan (0%)

Magenta (24%)

Yellow (52%)

Black (12%)



Cyan (12%)

Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0102, 46.0558, 20.5466 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.0102, 46.0558, 20.5466 by changing the saturation by 10% instead.

48.0102, 46.0558,
20.5466

48.0102, 46.0558,
20.5466

369.4145,
371.0329, 267.5604

34.0462, 32.2899,
12.6050

86.4292, 84.3025,
45.2027

23.0922, 21.5830,
7.0296

111.6149,
109.5520, 62.7542

14.7827, 13.5508,
3.4019

141.2720,
139.3983, 84.3461

8.7523, 7.8089,
1.3033

175.7657,
174.2255, 110.3970

4.6358, 3.9729,
0.0645

215.4615,
214.4182, 141.3253

2.0677, 1.6584,
0.0000

260.7246,

0.6716, 0.3965,

260.3608, 177.5496

0.0000

311.9205,
312.4375, 219.4885

■ 0.0000, 0.0000,
0.0000

■ 48.0102, 46.0558,
20.5466

■ 48.0102, 46.0558,
20.5466

■ 45.1093, 41.9230,
14.4347

■ 51.3693, 50.6149,
28.3230

■ 42.6358, 38.1935,
9.8572

■ 55.2079, 55.6088,
37.8751

■ 40.5600, 34.8515,
6.6690

■ 59.5498, 61.0537,
49.3074

■ 38.8451, 31.8766,
4.6951

■ 64.4161, 66.9630,
62.7157

■ 37.6589, 29.6841,
3.7448

■ 69.8263, 73.3494,
78.1890

■ 75.7992, 80.2248,
95.8111

■ 80.7335, 86.9534,
107.1363

■ 83.8759, 93.2383,
108.1838

■ 84.5504, 94.5873,
108.4086

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.9186, 46.0558, 27.2748



48.0102, 46.0558, 20.5466



40.6507, 46.0558, 20.1661

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.0102, 46.0558, 20.5466



31.4088, 46.0558, 59.8855



54.1520, 46.0558, 85.8602

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.0102, 46.0558, 20.5466



32.3833, 34.0584, 75.3881

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.0547, 46.0558, 100.7630



48.0102, 46.0558, 20.5466



34.2505, 46.0558, 83.1747

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.0102, 46.0558, 20.5466



31.6035, 46.0558, 39.2833



39.7959, 46.0558, 99.6617



58.7273, 46.0558, 62.8488

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.0102, 46.0558, 20.5466



36.5055, 46.0558, 23.3205



39.7959, 46.0558, 99.6617



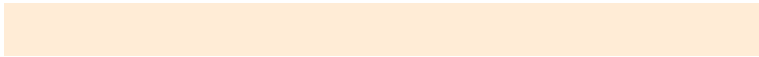
51.9499, 46.0558, 92.2387

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.0113, 46.0580, 20.5475



83.5025, 86.3239, 76.0135



42.6367, 29.1862, 37.6313



17.5845, 18.1261, 15.4763



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.0113, 46.0580, 20.5475



60.2794, 55.8940, 18.8964



58.9181, 69.6305, 24.5226



14.3210, 14.9279, 14.4334



22.0366, 17.5111, 2.2185



1.6167, 1.3922, 0.1835

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.3833, 34.0584, 75.3881



37.1810, 38.1797, 100.0175



25.4827, 19.5435, 72.9501



13.4653, 14.2698, 17.4323



10.7283, 8.9262, 42.2059



0.8323, 0.7961, 2.9550

Previews

White Background



This preview shows how the XYZ color 48.0102, 46.0558, 20.5466 looks on a white background.

Color Contrast Check

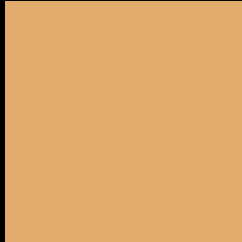
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.0102, 46.0558, 20.5466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

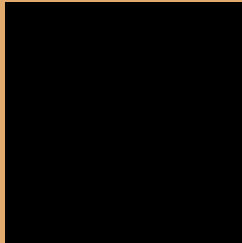
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0102, 46.0558, 20.5466

Background



This preview shows how black text looks on a background with the XYZ color 48.0102, 46.0558, 20.5466.



This preview shows how white text looks on a background with the XYZ color 48.0102, 46.0558,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.0102, 46.0558, 20.5466

Protanopia

42.7372, 46.2234, 21.9987

Deuteranopia

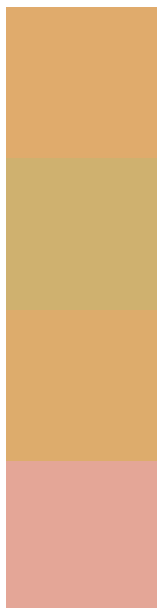
47.1655, 46.1855, 20.6162



Tritanopia

53.4682, 46.1125, 46.6400

Trichromacy



Original Color

48.0102, 46.0558, 20.5466

Protanomaly

44.3235, 45.8574, 21.5542

Deuteranomaly

47.2781, 45.9599, 20.5667

Tritanomaly

51.2170, 46.0008, 35.4578

Monochromacy



Original Color

48.0102, 46.0558, 20.5466

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.3198, 45.5131, 37.0209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0102, 46.0558, 20.5466 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 171, 108)` looks like.

```
.text, #text, p{  
    color:rgb(224, 171, 108)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 171, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 171, 108) }
```

Border

The CSS property to change the border of an element to XYZ 48.0102, 46.0558, 20.5466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 171, 108) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 171, 108) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 171, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 171, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 171, 108);  
box-shadow:4px 4px 4px 4px rgb(224, 171,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0102, 46.0558, 20.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 171, 108) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
171, 108) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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